

## MARINDUQUE STATE COLLEGE

#### **COLLEGE OF INFORMATION AND COMPUTING SCIENCES**

Panfilo M. Manguera Sr. Rd., Tanza, Boac, Marinduque SICS Tel. No.: (042) 704-0193 SICS E-mail Address: sics.msc@gmail.com Website: www.mscmarinduque.edu.ph



Courses Offered:
Boac Campus:
BS Information Technology
BS Information Systems
(AACCUP, Inc. Reaccredited Level 3)
Santa Cruz Campus:
BS Information Systems

## **Capstone Project Title Approval Form**

Group Code: [SD-3E1]

Proponents

Project Leader: June Charles Mariquit

**Group Members:** 

<mark>Jayron David Sadian</mark> Daniela Marquez Rubylyn Rey

# **Proposed Capstone Project Title**

Weather Reporting System

## Name and Contact No. or Target Organization

Smart home system

#### **Platform**

IoT device/Mobile Application

# Background of the Organization/Firm/Target Pilot Area

Smart home system is an advanced technology that allows home owners to control appliances or devices remotely using a smartphone through an internet connection.

Problem Statement		
Problems	Causes	Solutions (As a Feature of
Problems	Cuuses	your System
Lot of people are getting sick	People can't prepare what	Application that quickly tell
because of climate change	they will wear or whether	you what the weather will be
because we don't know if it will	they will bring an	like and suggest what to
be a rainy day or it will be a	umbrella or a raincoat.	carry whether an umbrella or
sunny day.		you should apply a sunblock

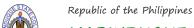
#### Objectives

This study aims to develop an weather reporting system for smart home that has the following specific objectives

### Specific Objectives

- 1. To provide accurate and timely information about current weather conditions, including temperature, humidity and wind speed;
- 2. To forecast future weather patterns, including short-term forecasts and long-term forecasts;
- 3. To issue warnings and alerts for severe weather events, such as hurricanes, tornadoes and floods;
- 4. To promote public awareness and education about weather-related phenomena.

# **Specific Functions and Features**



Disapproved

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Santa Cruz Campus:
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(AACCUP, Inc. Reaccredited Level 2)

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1.	Real-time weather data		
2.	Data processing and analysis		
3.	Forecasting		
4.	Ö		
Signi	ficance and Possible Users		
•	Smart home owners		
Level	of Feasibility		
•	• The proposed project is feasible because smart home owners can gain a comprehensive		
	understanding of the practicality, viability, and sustainability of a weather reporting		
E D	•	bout whether to proceed with implementation.	
For Review Committee Only Comments:			
Comi	nents:		
Status	S:		
		Signature Over Printed Name	
	☐ For Revision		
	☐ Approved		

**Note:** You may attach the results of your survey and feasibility analysis, if needed.